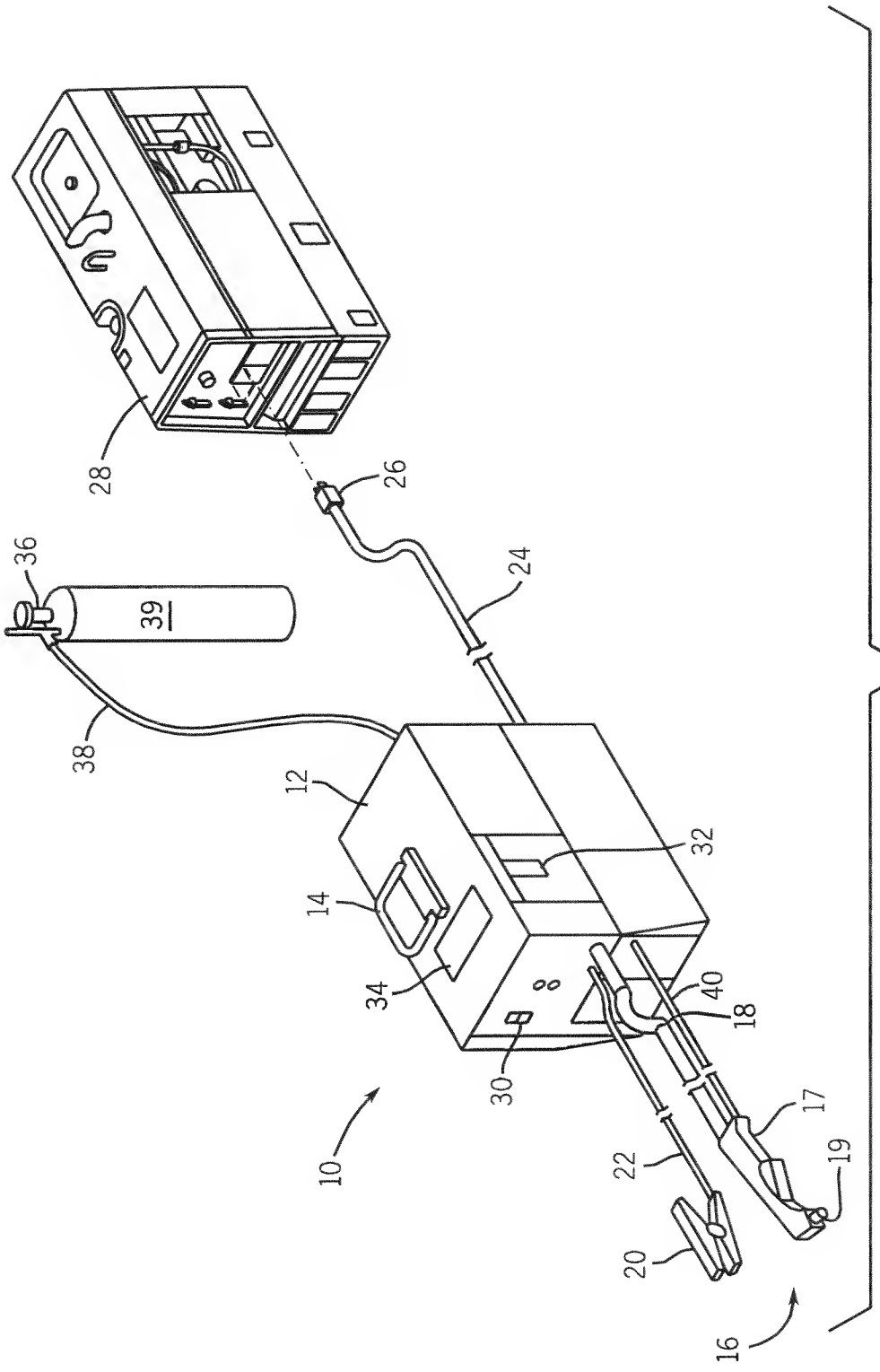

FIG. 1

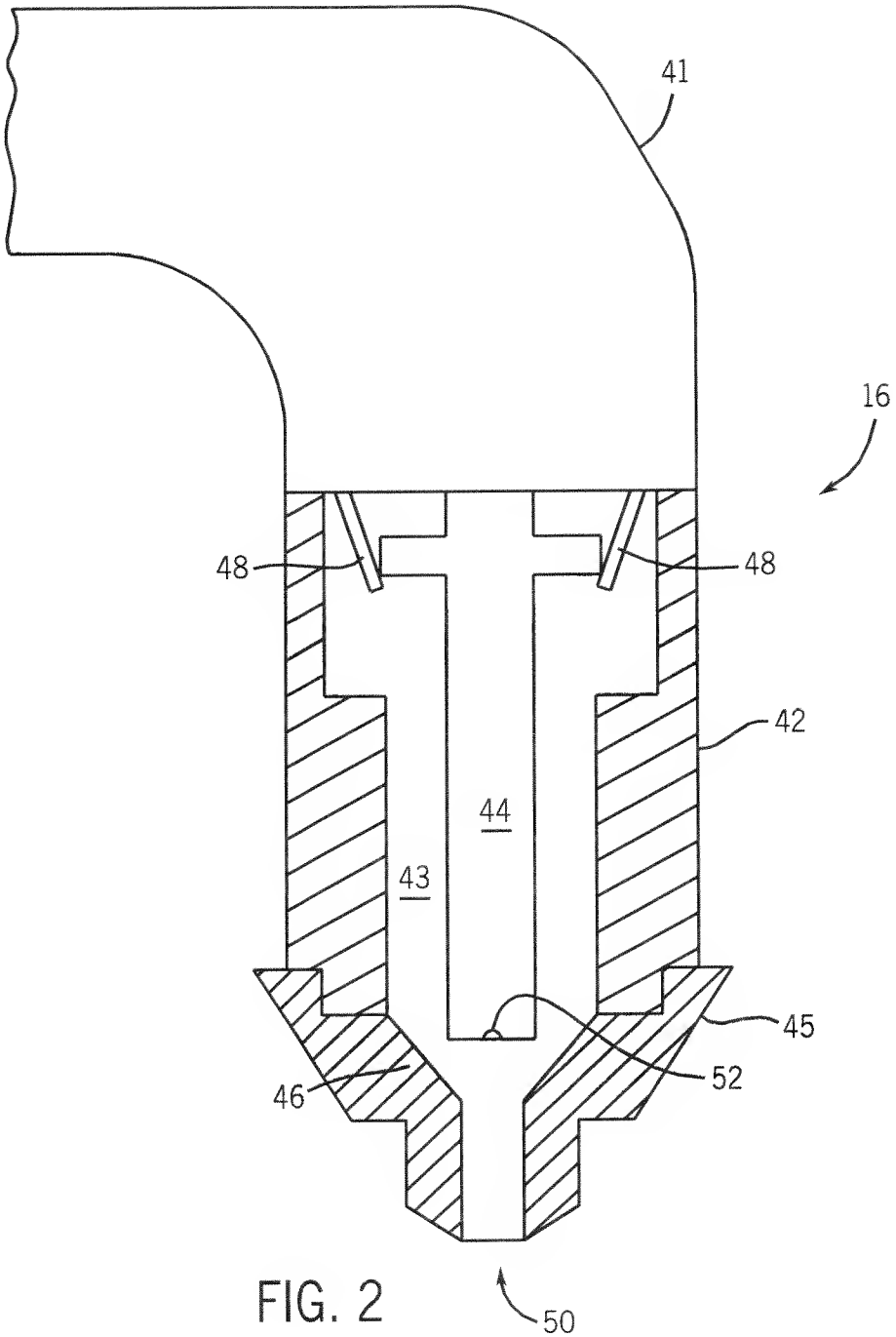

FIG. 2

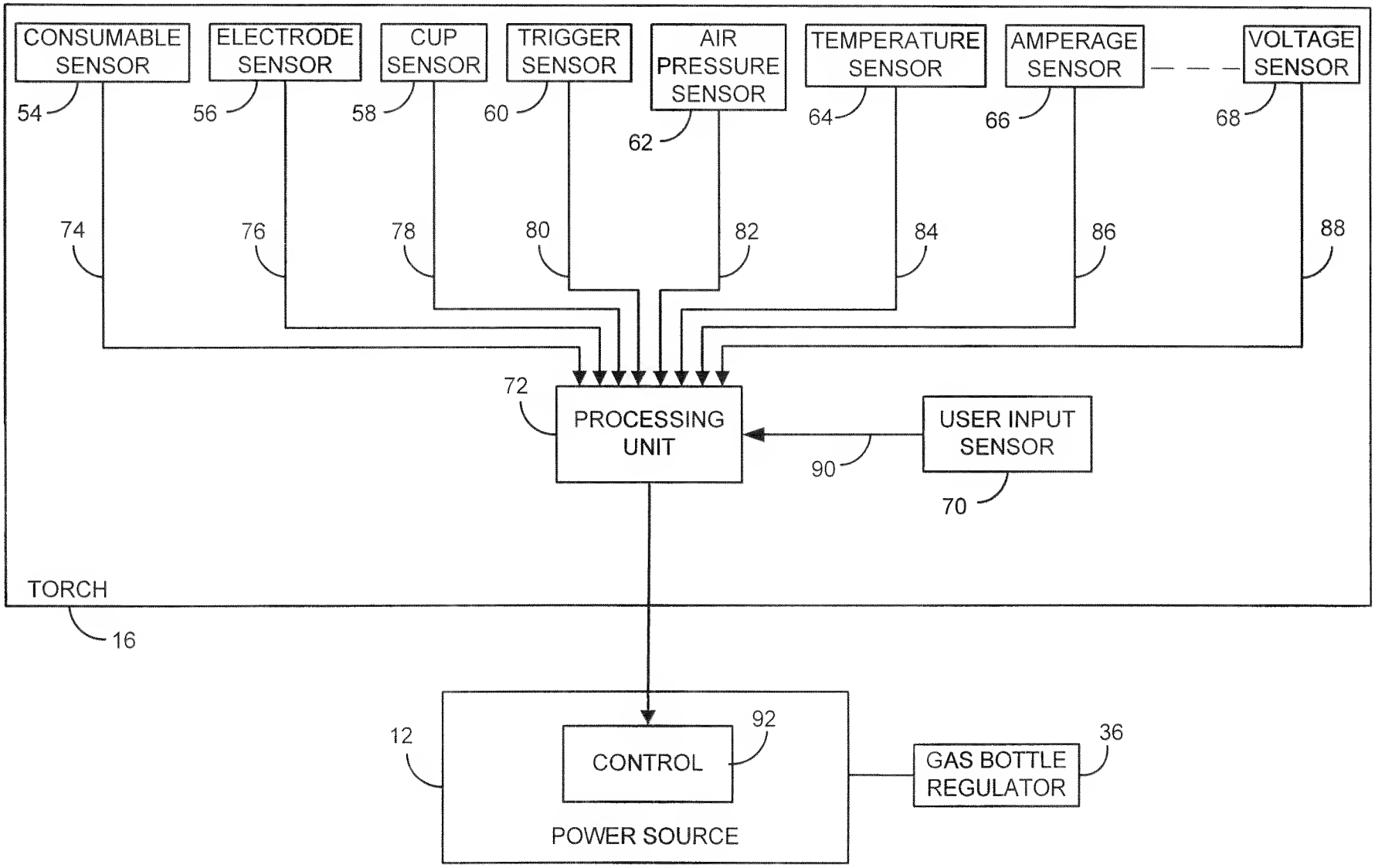
CONSUMABLE SENSOR
54
ELECTRODE SENSOR
56
CUP SENSOR
58
TRIGGER SENSOR
60
AIR PRESSURE SENSOR
62
TEMPERATURE SENSOR
64
AMPERAGE SENSOR
66
VOLTAGE SENSOR
68
74
76
78
80
82
84
86
88
72
PROCESSING UNIT
USER INPUT SENSOR
90
70
TORCH
16
12
92
CONTROL
POWER SOURCE
GAS BOTTLE REGULATOR
36

FIG. 3